Order No.: DD+DIS080.01E

1 piece ULVKV MA1

ADC Compact

Type 5145 / 100/101/140
Type 5145 / 200/201/240

Classification			When		
Safety relevant	Reliability	New function	Immediately	Next service	As required
	x				x

Please file this document in section 13 of your technical documentation

ADC Cassettes not always detected correctly

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1 Problem

ADC Cassettes are not always detected correctly. Error message 22D42 “Wrong Cassette” appears in connection with cassette handling in input buffer.

2 Function Check

(1) Open the right door

(2) Put in an unidentified ADC Cassette

(3) The cassette has to be transported in reading position automatically. The ideal reading position is reached, when the cassette projects into the machine 87 mm (measured from the middle of the antenna of the tag reader to the edge of the cassette). Please measure with a calliper rule. The accuracy of the positioning must be ± 3.5 mm.

(4) If the cassette stops too early or too late, the error message “Wrong Cassette” appears and there is obviously no mechanical reason for this mistake, check the following possible reasons concerning the cassette dot detection light barrier (GS940).

3 Reasons and Solutions

3.1 Cassette stops too early

Possible reason	Solutions
Lacquer layer of the slotted cover above the reflected light sensor is not sufficient or damaged. Scattering of the light causes wrong signal!	• Check the index of the light sensor and if needed, change F8.9499.6940.1 to index 2 (less sensitive) or • Paint the lower part of the slotted cover with a mat black optical lacquer Feed gate was removed for taking the picture, not necessary for the painting! Figure 1

Never use a glossy lacquer, it will increase the negative effect!
Protect the reflected light sensor with a piece of paper during the painting!

Reflected light sensor is too sensitive and switches early.	• Check the index of the light sensor and if needed, change F8.9499.6940.1 to index 2 (less sensitive)
Reflected light sensor is broken.	• Replace the reflected light sensor with a new one

3.2 Cassette stops too late

Possible reason	Solutions
Cable of the reflected light sensor is broken.	• Check the voltage at the plug of the reflected light sensor • Replace the cable if it is broken
Cover of the reflected light sensor is dirty or damaged.	• Clean the cover foil with a brush or a soft cloth or • Replace the reflected light sensor with a new one
Label of the cassette is damaged.	• Change the label and repeat the function check